							Sheet 1 of 4		
Form D	TO 1	U.S. DEPARTMENT OF COMMERCE	Atty. Docket No. Serial No.						
Form P	10-14	patent and trademark office	2427/1G685US1 09/801,302						
INFORM	רדים מו	N DISCLOSURE STATEMENT	Applicant						
		מינא אים דרים אים	Patrick F. KELLY ET AL.						
OIP	Use Je	veral sheets if necessary)	Filing Date	Filing Date					
	ma	\$	March 7, 2001		Group				
111 0	e sour c	n1			N/A				
Cg,	- 0 <i>4</i>	U.S. F							
Examine TI Initial	milies TRADEMIN Document Number Date		Name	Class	Subclass	Filing Date			
							Appropriate		
		FOREIGN	PATENT DOCUMEN	PATENT DOCUMENTS					
		Document Number Date	Country	Class	Subclass	} :	Translation		
	<u> </u>		<u> </u>	[Yes No			
OTHE	R DO	CUMENTS (Including Auth	or, Title, Dat	e, Pe	ertiner	it Page	s, Etc.)		
	1	Envelope Rinding Domain In Th	va Cationia Amino Ac	eid Tran	snorter T	atarmina	s The Host		
	_	Envelope-Binding Domain In The Cationic Amino Acid Transporter Determines The Host							
CO		Range Of Ecotropic Murine Retroviruses-Lorraine M. Albritton et al.,							
		Journal of Virology, Apr. 1993 p2091-2096 Vol. 67, No. 4, 1993 American Society of Microbiology							
}	2	Improved Transfer of the Leukoc				_	· -		
		Using Retroviral Vectors Having							
		Bauer Jr. et al., Bloc					1995; pp		
		2379-2387; [©] 1995 The	American Socie	ty of	Hemat	ology			
[[3	Restoration of Lymphocyte Function In Janus Kinase 3-Deficient Mice By Retroviral-							
						•	i		
1		Mediated Gene Transfer - Kevin D. Bunting et al., Nature Medicine, Vol. 4, Number 1, January 1998							
		VOI. 4, NUMBEL I, Danualy 1990							
4 Lymphocytes As Cellular Vehicles For Gene Therapy In Mouse And Man - Ke									
			atl. Acad. Sci. USA, Vol. 88, No. 8, pp.						
		3155-3159, April 15 19	91 Medical Sci	ences	3				
	5	Efficient Transduction of Human	a Lymphocytes and C	'D34+ C	ells Via F	Human In	munodefi-		
	-								
	ciency Virus-Based Gene Transfer Vectors - Janet Douglas et al., Human Therapy Vol. 10, No. 6, pp935-945; April 10, 1999						numan Gene		
	6	Retrovirally Marked CD34-Enri	ched Peripheral Bloc	od and E	Bone Mar	row Cells	Contribute To		
		Long-Term Engraftment After A	utologous Transplant	tation -	- Cyntl	nia E.	Dunbar et		
		al., Blood, Vol. 85, No. 11, pp 3048-3057, June 1, 1995							
	7	Harmon Cord Pland CD24+CD29 Call Transduction Via Lantinium Pagad Core Transfer							
	Tuman Cora Bioda CB37 CB30 Cen Transaction 7 to Benefit as Based Cone Transf						•		
Vectors - Jay T. Evans et al., Human Gene Therapy, Vol						, vor.	IU, NO.		
	9, pp1479-1489, June 10, 1999								
				scent Ar	nd Primiti	ive Huma	n Hemato-		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Quin-Lin Hao et al., Blood, Vol. 88, No.						
¥		9, pp3306-3313, Novemb							
		- -							
							İ		

The same of the sa							
O P E CO 20 20 20 20 20 20 20 20 20 20 20 20 20	Optimization Of Retroviral-Mediated Gene Transfer To Human NOD/SCID Mouse Repopulating Cord Blood Cells Through A Systematic Analysis Of Protocol Variables - Burkhard Hennemann et al., Experimental Hematology Vol. 27, pp. 817-825, January 1999, ©1999 International Society For Experimental Hematology						
10	Human Gene Transfer: Characterization of Human Tumor-Infiltrating Lymphocytes As Vehicles For Retroviral-Mediated Gene Transfer In Man - Attan Kasid et al., Proc. Natl. Acad. Sci. USA, Vol. 87, No. 1, pp. 473-477, January 1990						
11	Efficient Transduction By An Amphotropic Retrovirus Vector Is Dependent On High-Level Expression Of The Cell Surface Virus Receptor - Peter Kurre et al., Journal of Virology, Vol. 73, No. 1, pp. 495-500, January 1999						
12	Retrovirus-Mediated Gene Transfer Into Human CD34 ⁺ 38 ^{LOW} Primitive Cells Capable Of Reconstituting Long-Term Cultures In Vitro and Nonobese Diabetic-Severe Combined Immunodeficiency Mice In Vivo - Aliette Marandin et al., Human Gene Therapy, Vol. 9, No. 10, pp. 1497-1511, July 1, 1998						
13	Construction and Properties of Retrovirus Packaging Cells Based On Gibbon Ape Leukemia Virus - A. Dusty Miller et al., Journal of Virology, Vol. 65, No. 5, pp. 2220-2224, May 1991, ©1991, American Society For Microbiology						
14	Gene Transfer By Retrovirus Vectors Occurs Only In Cells That Are Actively Replicating At The Time Of Infection - Daniel G. Miller et al., Molecular and Cellular Biology, Vol. 10, No. pp. 4239-4242, August 1990, ©1990 American Society For Microbiology						
15	Redesign of Retrovirus Packaging Cell Lines To Avoid Recombination Leading To Helper Virus Production - A. Dusty Miller et al., Molecular and Cellular Biology, Vol. 6, No. 8, pp. 2895-2902, August 1986, ©1986 American Society For Microbiology						
16	The Level Of mRNA Encoding The Amphotropic Retrovirus Receptor In Mouse and Human Hematopoietic Stem Cells Is Low And Correlates With The Efficiency Of Retrovirus Transduction, Donald Orlic et al., Proc. Natl. Acad. Sci. USA, Vol. 93, No. 20, pp. 11097-11102, October 1, 1996						
17	Comparison Of Efficiency Of Infection Of Human Gene Therapy Target Cell Via Four Different Retroviral Receptors - Colin D. Porter et al., Human Gene Therapy, Vol. 7, No. 8, pp. 913-919, May 20, 1996						
18	No Discrepancy Between In Vivo Gene Marking Efficiency Assessed In Peripheral Blood Populations Compared With Bone Marrow Progenitors of CD34 ⁺ Cells - Stephanie E. Sellers, Vol. 10, No. 4, pp. 633-640, March 1, 1999						
19	Interaction of Vesicular Stomatitis Virus-G Pseudotyped Retrovirus With CD34 ⁺ And CD34 ⁺ CD38 ⁻ Hematopoietic Progenitor Cells - AM Sinclar et al., Gene Therapy, Vol. 4, pp. 918-927 (1997) ©1997 Stockton Press						
V 20	Receptor Interference Groups Of 20 Retroviruses Plating On Human Cells - Maja A. Sommerfelt et al., Virology, Vol. 176, No. 1, May 1990, ©1990 By Academic Press, Inc.						

DE	Page 3 of 4
INCO TO THE STATE OF THE STATE	Circulating T And B Lymphocytes Of The Mouse I. Migratory Properties - J. Sprent, Cellular Immunology, Vol. 6, No. 3, March 1973, ©1973 By Academic Press, Inc.
STEAT THADE WE 2	Differences In The Migration Of B and T Lymphocytes: Organ-Selective Localization In Vivo And The Role Of Lymphocyte-Endothelial Cell Recognition - Susan K. Stevens et al., The Journal of Immunology, Vol. 128, No. 2 pp. 844-851, February 1982, ©1982 The American Association of Immunologies
23	Ex Vivo Expansion Of Genetically Marked Rhesus Peripheral Blood Progenitor Cells Results In Diminished Long-Term Repopulating Ability - J.F. Tisdale, Blood, Vol. 92, No. 4, pp. 1131-1141, August 15, 1998
24	In Vivo Selection Of Retrovirally Transduced Hematopoietic Stem Cells - James A. Allay et al., Nature Medicine, Vol. 4, No. 10, pp.1136-1143, October 1998
25	Use Of The Green Fluorescent Protein As A Marker To Identify And Track Genetically Modified Hematopoietic Cells - Derek A. Persons et al., Nature Medicine, Vol. 4, No. 10, pp. 1201-1205, October 1998
26	Efficient Retroviral-Mediated Gene Transfer To Human Cord Blood Stem Cells With In Vivo Repopulating Potential - E. Conneally et al., Blood, Vol. 91, No. 9, pp. 3487-3493, May 1, 1998
27	Direct Evidence For Multiple Self-Renewal Divisions Of Human In Vivo Repopulating Hematopoietic Cells In Short-Term Culture - H. Glimm et al., Blood, Vol. 94, No. 7, pp. 2161-2168, October 1, 1999, The Journal of The American Society of Hematology
28	Improved Gene Transfer Into Baboon Marrow Repopulating Cells Usihng Recombinant Human Fibronectin Fragment CH-296 In Combination With Interleukin-6, Stem Cell Factor, FLT-3 Ligand, And Megakaryocyte Growth And Development Factor - Hans-Peter Kiem et al., Blood, Vol. 92, No. 6, pp. 1878-1886, September 15, 1998
29	One-Day Ex Vivo Culture Allows Effective Gene Transfer Into Human Nonobese Diabetic/Severe Combined Immune-Deficient Repopulating Cells Using High-Titer Vesicular Stomatitis Virus G. Protein Pseudotyped Retrovirus - Vivienne I. Rebel et al., Blood, Vol 93, No. 7, pp. 2217-2224, April 1, 1999, ©1999 The American Society of Hematology
30	High Efficiency Gene Transfer To Human Hematopoietic SCID-Repopulating Cells Under Serum-Free Conditions - Andrea J. Schilz et al., Blood, Vol.9, pp. 3163-3171; November 1, 1998, ©1998 The American Society of Hermatology
31	Highly Efficient Transduction Of The Green Fluorescent Protein Gene In Human Umbilical Cord Blood Stem Cells Capable Of Cobblestone Formation In Long-Term Cultures And Multilineage Engraftment Of Immunodeficient Mice - Paul B. van Hennik et al., Blood, Vol. 92, No. 11, pp. 4013-4022, December 1, 1998, ©1998 The American Society of Hermatology

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Page 4 of 4

/	PE	2	Page 4 of 4				
\ \	JUL CR	A CHICAGO	Retroviral Marking Of Canine Bone Marrow: Long Term, High-Level Expression Of Human Interleukin-2 Receptor Common Gamma Chain In Canine Lymphocytes - Todd Whitwam, Blood, Vol. 92, No. 5, pp. 1565-1575, September 1, 1998				
		Quantitative Analysis Reveals Expansion of Human Hematopoietic Repopulating C Short-Term Ex Vivo Culture - Mickie Bhatia et al, J. Exp. Med., 186, No. 4, pp. 619-624, August 8, 1997,					
	Stable Transduction of Quiescent CD34 ⁺ CD38 ⁻ Human Hematopoietic Cells B. Lentiviral Vectors - Scott S. Case et al., Proc. Natl. Acad USA, Vol. 96, pp. 2988-2993, March 1999						
		Transduction Of Human CD34 ⁺ Cells That Mediate Long-Term Engraftment Of NOD/SCID Mice By HIV Vectors - Hiroyuki Miyoshi et al., Science Magazine, Vol. 283, pp. 682-686, January 29, 1999					
	High Levels Of Lymphoid Expression Of Enhanced Green Fluorescent Protein In Primates Transplanted With Cytokine-Mobilized Peripheral Blood CD34 ⁺ Cell E. Donahue et al., Blood, Vol. 95, No. 2, pp. 445-452, 15, 2000 ©2000 The American Society of Hermatology						
	Examiner		Date Considered 2/6/02				
	*Exami	ner.	Initials if citation considered, whether or not citation is in conformance with MDPD 609. Draw line				

*Examiner: Initials if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

AUG 1 0 2001 She 2 1 of 2												
FORM PTO-1449 DATENT AND TRADEMARK OFFICE						y. Docket No.		Serial				
FORM PIO-1449 PATENT AND TRADEMARK OFFICE					24	242//16085081 09/001/302						
INFORM	IATIO	N DISCLOSUPE BY APPLICAN	SPA	FEMENT		Patrick F. KELLY ET AL.						
		everal sheets of nec	essary)	ેજી		ing Date		Group	Group O O O			
		(2 4 20	ល ខ្ល	Ma	March 7, 2001			5			
RADEMARKE.S. PATENT DOCUMENT												
Examiner Initial	Examiner Document Number Date			Name			Subclass	Filing Date If Appropriate				
C	A 1 4,861,719 8/29/89		/89	MII	MILLER			236	4/25/86			
	2	5,667,998	9/16/97		DOU	DOUGHERTY ET AL.			172.3	6/7/95		
	3	5,910,434	6/8/	99	RIC	GG ET AL.	435	172.3	12/15/95			
	4	5,952,225	9/14	/99	PEN	NSIERO ET A	435	352	8/17/95			
\/	5	6,017,761	1/25	/00	RIC	GG ET AL.		435	455	12/13/96		
V			F	DREIGN	PAT	ENT DOCUME	NTS					
Document Number Date						Country Class			Subclass Translation			
								Yes		No		
	6	PCT/GB96/02	2061 8/23/		 96	PCT						
OTHER DOCUMENTS (Including Authority)						 	te, Pe	ertine	nt Page	s, Etc.)		
An Improved Method For Generating Retroviral Producer Clones For Vectors Lacking A Selectable Marker Gene, Derek A. Persons et al., Blood Cells, Molecules & Diseases (1998) Vol. 24, Pgs. 167-182							Lacking A					
1	High-Titer Packaging Celis Producing Recombinant Retroviruses Resistant to Human Serum, Cosset, Françis-Loïc Cosset et al., Journal of Virology, Dec. 1995, Vol. 69, No. 12, Pgs.7430-7436											
	9	A Stable Human-Derived Packaging Cell Line For Production Of High Titer Retrovirus/- Vesicular Stomatitis Virus G Pseudotypes, Daniel S. Ory, Proc. Natl. Acad. Sci. USA, October 1996, Vol. 93, Pgs. 11400-11406										
V	The RD114/Simian Type D. Retrovirus Receptor Is A Neutral Amino Acid Transporter, John E. J. Rasko et al., Pro. Natl. Acad. Sci, USA, March 1999, Vol. 96, Pgs. 2129-2134											
Examiner —						Date Considered						
						2/6/0	5					
*Examiner: Initials if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.												